

AFD 2000 – the anaerobic surface seal (green)



Description and typical applications

AFD 2000 is a solvent-free, low-viscosity sealing compound. It is ideal for sealing torsion-resistant metal parts with a level, plane sealing face, for example on housings and bearing covers or on flanges used in engines, gearboxes and mechanical equipment.

A sealing film, resistant to chemicals and temperature variations, forms and cures without air by making metal contact between the two parts to be joined. The parts can nevertheless be separated again easily.

Unlike with conventional surface sealants, none of the bolt load is lost as a result of the material “setting” when direct contact is made between metallic surfaces. Pressures of up to approximately 5 bar are reliably sealed immediately after assembly. The maximum pressure tightness is achieved after around 24 hours when the sealant is fully cured.

<i>Characteristic</i>	<i>value range unit</i>
Temperature stability	-55°C to +150°C
Resistance	resistant to water, mineral oils (also with additives), lubricants, fuels, organic solvents and coolant additives
Largest fillable gap	0.3 mm
Final strength	6 – 24 hours
Density at 20°C	1.05 g/cm ³
Viscosity to 25°C	17,000 – 50,000 mPas/rotating viscometer
Shear strength	4 – 6 N/mm ²
Tensile strength	2 – 4 N/mm ²

Elring Sealing Compound AFD 2000



Das Original



Physical/chemical characteristics

State when supplied	thixotrop
Color	green
Odor	characteristic
Basis	methacrylatester

Application and processing

Clean and degrease the sealing surfaces using spirit or a similar solvent. Perfect sealing or adherence of the sealing compound is ensured only if the surfaces are clean and grease-free. Apply AFD 2000 to the complete sealing surface on one side by squeezing the concertina bottle, then fit the two parts together. There is no need to allow any drying time. The sealing effect is instant. The degree of curing depends on the gap width.

Note: If too much sealing compound is applied, it can drip into the interior.

Warning

Keep out of reach of children. Can irritate the eyes, respiratory system and skin.

Storage

Storage	store in a cool, dry place. Avoid direct sunlight
Storage life	12 months in an unopened container
Disposal	local disposal firm. Do not dispose of with domestic refuse or in the sewage system. European Waste Catalogue: Waste code. 08 00 00/08 04 00/08 04 09

Identification

Xi	irritant
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Form of supply	Contents	Elring no.	Original pack/pcs
Plastic concertina bottle	50 g	777.790	10 pieces

The information given in this data sheet has been compiled based upon our extensive experience. However, specific characteristics are not guaranteed nor is any liability undertaken, since sealing can only be successful if the particular circumstances of each individual case are taken into account.



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